

Segment ID: 0403

Water body name: Lake O' the Pines

Reservoir

Cypress Creek Basin

Total size:

18,700 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Aquatic Life Use

2002	Dissolved Oxygen grab average	Use Concern	Lower 5000 acres	5,000	27	4	
2002	Dissolved Oxygen grab average	No Concern	Middle 5000 acres	5,000	23	2	
2002	Dissolved Oxygen grab average	No Concern	Middle 5000 acres below Hwy 155	5,000	20	0	
2002	Dissolved Oxygen grab average	Use Concern	Upper 3700 acres	3,700	25	7	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 5000 acres	5,000	27	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle 5000 acres	5,000	23	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	20	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Upper 3700 acres	3,700	25	1	
2004	Dissolved Oxygen 24hr average	Use Concern-Limited Data	Lower 5000 acres	5,000	4	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle 5000 acres	5,000	1		
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle 5000 acres below Hwy 155	5,000	1	0	
2004	Dissolved Oxygen 24hr average	Use Concern-Limited Data	Upper 3700 acres	3,700	6	2	
2004	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Lower 5000 acres	5,000	4	1	
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle 5000 acres	5,000	1		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle 5000 acres below Hwy 155	5,000	1	0	
2004	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Upper 3700 acres	3,700	6	2	
2002	Acute Metals in water	Fully Supporting	Lower 5000 acres	5,000	11	0	
2002	Acute Metals in water	No Concern-Limited Data	Middle 5000 acres	5,000	7	0	
2002	Acute Metals in water	No Concern-Limited Data	Middle 5000 acres below Hwy 155	5,000	8	0	
2002	Acute Metals in water	Fully Supporting	Upper 3700 acres	3,700	16	0	

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Aquatic Life Use (continued)

2002	Chronic Metals in water	Fully Supporting	Lower 5000 acres	5,000	11		
2002	Chronic Metals in water	No Concern-Limited Data	Middle 5000 acres	5,000	7		
2002	Chronic Metals in water	No Concern-Limited Data	Middle 5000 acres below Hwy 155	5,000	8		
2002	Chronic Metals in water	Fully Supporting	Upper 3700 acres	3,700	16		
2002	Chronic Toxicity tests in sediment	Not Assessed	Lower 5000 acres	5,000	2		
2004	Overall Aquatic Life Use	Fully Supporting	Lower 5000 acres	5,000			
2002	Overall Aquatic Life Use	Fully Supporting	Middle 5000 acres	5,000			
2002	Overall Aquatic Life Use	Fully Supporting	Middle 5000 acres below Hwy 155	5,000			
2004	Overall Aquatic Life Use	Fully Supporting	Upper 3700 acres	3,700			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Lower 5000 acres	5,000	1	0	
2002	E. coli single sample	Not Assessed	Middle 5000 acres	5,000	1		
2002	E. coli single sample	Not Assessed	Middle 5000 acres below Hwy 155	5,000	1	0	
2002	E. coli single sample	Not Assessed	Upper 3700 acres	3,700	1	0	
2002	E. coli geometric mean	Not Assessed	Lower 5000 acres	5,000	1		1
2002	E. coli geometric mean	Not Assessed	Middle 5000 acres	5,000	1		
2002	E. coli geometric mean	Not Assessed	Middle 5000 acres below Hwy 155	5,000	1		
2002	E. coli geometric mean	Not Assessed	Upper 3700 acres	3,700	1		
2002	Fecal coliform single sample	Fully Supporting	Lower 5000 acres	5,000	14	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Middle 5000 acres	5,000	9	0	

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Contact Recreation Use (continued)

2002	Fecal coliform single sample	No Concern-Limited Data	Middle 5000 acres below Hwy 155	5,000	8	0	
2002	Fecal coliform single sample	Fully Supporting	Upper 3700 acres	3,700	13	0	
2002	Fecal coliform geometric mean	Fully Supporting	Lower 5000 acres	5,000	14		1
2002	Fecal coliform geometric mean	No Concern-Limited Data	Middle 5000 acres	5,000	9		1
2002	Fecal coliform geometric mean	No Concern-Limited Data	Middle 5000 acres below Hwy 155	5,000	8		1
2002	Fecal coliform geometric mean	Fully Supporting	Upper 3700 acres	3,700	13		35
2002	Overall Recreation Use	Fully Supporting	Lower 5000 acres	5,000			
2002	Overall Recreation Use	Not Assessed	Middle 5000 acres	5,000			
2002	Overall Recreation Use	Not Assessed	Middle 5000 acres below Hwy 155	5,000			
2002	Overall Recreation Use	Fully Supporting	Upper 3700 acres	3,700			

General Use

2002	Water Temperature	Fully Supporting	Lower 5000 acres	5,000	27	0	
2002	Water Temperature	Fully Supporting	Middle 5000 acres	5,000	23	0	
2002	Water Temperature	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	20	0	
2002	Water Temperature	Fully Supporting	Upper 3700 acres	3,700	25	0	
2002	pH	Fully Supporting	Lower 5000 acres	5,000	27	1	
2002	pH	Fully Supporting	Middle 5000 acres	5,000	23	1	
2002	pH	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	20	0	
2002	pH	Fully Supporting	Upper 3700 acres	3,700	25	1	
2002	Chloride	Fully Supporting	Lower 5000 acres	5,000	57		17.8
2002	Chloride	Fully Supporting	Middle 5000 acres	5,000	57		17.8

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General Use (continued)

2002	Chloride	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	57		17.8
2002	Chloride	Fully Supporting	Upper 3700 acres	3,700	57		17.8
2002	Sulfate	Fully Supporting	Lower 5000 acres	5,000	57		35.7
2002	Sulfate	Fully Supporting	Middle 5000 acres	5,000	57		35.7
2002	Sulfate	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	57		35.7
2002	Sulfate	Fully Supporting	Upper 3700 acres	3,700	57		35.7
2002	Total Dissolved Solids	Fully Supporting	Lower 5000 acres	5,000	133		109.5
2002	Total Dissolved Solids	Fully Supporting	Middle 5000 acres	5,000	133		109.5
2002	Total Dissolved Solids	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	133		109.5
2002	Total Dissolved Solids	Fully Supporting	Upper 3700 acres	3,700	133		109.5
2002	Overall General Use	Fully Supporting	Lower 5000 acres	5,000			
2002	Overall General Use	Fully Supporting	Middle 5000 acres	5,000			
2002	Overall General Use	Fully Supporting	Middle 5000 acres below Hwy 155	5,000			
2002	Overall General Use	Fully Supporting	Upper 3700 acres	3,700			

Fish Consumption Use

2002	Human Health Criteria	Fully Supporting	Lower 5000 acres	5,000	12		
2002	Human Health Criteria	No Concern-Limited Data	Middle 5000 acres	5,000	6		
2002	Human Health Criteria	No Concern-Limited Data	Middle 5000 acres below Hwy 155	5,000	8		
2002	Human Health Criteria	Fully Supporting	Upper 3700 acres	3,700	12		
2002	Overall Fish Consumption Use	Fully Supporting	Lower 5000 acres	5,000			
2002	Overall Fish Consumption Use	Not Assessed	Middle 5000 acres	5,000			
2002	Overall Fish Consumption Use	Not Assessed	Middle 5000 acres below Hwy 155	5,000			

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Fish Consumption Use (continued)

2002	Overall Fish Consumption Use	Fully Supporting	Upper 3700 acres	3,700			
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Public Water Supply Use

2002	Surface Water: Long-term average	Fully Supporting	Lower 5000 acres	5,000	12		
2002	Surface Water: Long-term average	No Concern-Limited Data	Middle 5000 acres	5,000	7		
2002	Surface Water: Long-term average	No Concern-Limited Data	Middle 5000 acres below Hwy 155	5,000	8		
2002	Surface Water: Long-term average	Fully Supporting	Upper 3700 acres	3,700	12		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 5000 acres	5,000	25		0.099
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Middle 5000 acres	5,000	22		0.1
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	12		0.543
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 3700 acres	3,700	18		1.473
2002	Surface Water: Running average	Fully Supporting	Lower 5000 acres	5,000	12	0	
2002	Surface Water: Running average	No Concern-Limited Data	Middle 5000 acres	5,000	7	0	
2002	Surface Water: Running average	No Concern-Limited Data	Middle 5000 acres below Hwy 155	5,000	8	0	
2002	Surface Water: Running average	Fully Supporting	Upper 3700 acres	3,700	12	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 5000 acres	5,000	25	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Middle 5000 acres	5,000	22	0	

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Public Water Supply Use (continued)

2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Middle 5000 acres below Hwy 155	5,000	12	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 3700 acres	3,700	18	0	
2002	Overall Public Water Supply Use	Fully Supporting	Lower 5000 acres	5,000			
2002	Overall Public Water Supply Use	Fully Supporting	Middle 5000 acres	5,000			
2002	Overall Public Water Supply Use	Fully Supporting	Middle 5000 acres below Hwy 155	5,000			
2002	Overall Public Water Supply Use	Fully Supporting	Upper 3700 acres	3,700			

Overall Use Support

2004		Fully Supporting	Lower 5000 acres	5,000			
2002		Fully Supporting	Middle 5000 acres	5,000			
2002		Fully Supporting	Middle 5000 acres below Hwy 155	5,000			
2004		Fully Supporting	Upper 3700 acres	3,700			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Lower 5000 acres	5,000	26	6	
2002	Ammonia Nitrogen	No Concern	Middle 5000 acres	5,000	23	5	
2002	Ammonia Nitrogen	No Concern	Middle 5000 acres below Hwy 155	5,000	12	0	
2002	Ammonia Nitrogen	No Concern	Upper 3700 acres	3,700	18	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 5000 acres	5,000	25	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	Middle 5000 acres	5,000	23	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	Middle 5000 acres below Hwy 155	5,000	12	3	
2002	Nitrite + Nitrate Nitrogen	Concern	Upper 3700 acres	3,700	18	10	
2002	Orthophosphorus	No Concern	Lower 5000 acres	5,000	25	0	
2002	Orthophosphorus	No Concern	Middle 5000 acres	5,000	22	0	

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Nutrient Enrichment Concern (continued)

2002	Orthophosphorus	No Concern	Middle 5000 acres below Hwy 155	5,000	12	1	
2002	Orthophosphorus	No Concern	Upper 3700 acres	3,700	18	4	
2002	Total Phosphorus	No Concern	Lower 5000 acres	5,000	26	2	
2002	Total Phosphorus	No Concern	Middle 5000 acres	5,000	22	2	
2002	Total Phosphorus	No Concern	Middle 5000 acres below Hwy 155	5,000	12	0	
2002	Total Phosphorus	Concern	Upper 3700 acres	3,700	18	6	
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 5000 acres	5,000			
2002	Overall Nutrient Enrichment Concerns	No Concern	Middle 5000 acres	5,000			
2002	Overall Nutrient Enrichment Concerns	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Overall Nutrient Enrichment Concerns	Concern	Upper 3700 acres	3,700			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Lower 5000 acres	5,000	26	0	
2002	Chlorophyll a	No Concern	Middle 5000 acres	5,000	22	1	
2002	Chlorophyll a	No Concern	Middle 5000 acres below Hwy 155	5,000	12	0	
2002	Chlorophyll a	No Concern	Upper 3700 acres	3,700	18	1	

Sediment Contaminants Concern

2002	PEL Metals in sediment Zinc	Not Assessed	Upper 3700 acres	3,700	4	1	
2002	Metals in sediment	Not Assessed	Lower 5000 acres	5,000	3		
2002	Metals in sediment	Not Assessed	Middle 5000 acres	5,000	2		
2002	Metals in sediment	Not Assessed	Middle 5000 acres below Hwy 155	5,000	4		

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Sediment Contaminants Concern (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 5000 acres	5,000			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle 5000 acres	5,000			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle 5000 acres below Hwy 155	5,000			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 3700 acres	3,700			

Fish Tissue Contaminants Concern

2002	Metals in fish tissue	Not Assessed	Middle 5000 acres below Hwy 155	5,000	9		
2002	Metals in fish tissue	Not Assessed	Upper 3700 acres	3,700	6	0	
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 5000 acres	5,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle 5000 acres	5,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle 5000 acres below Hwy 155	5,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 3700 acres	3,700			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	Lower 5000 acres	5,000			
2002	Finished Water: Chloride	No Concern	Middle 5000 acres	5,000			
2002	Finished Water: Chloride	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Finished Water: Chloride	No Concern	Upper 3700 acres	3,700			
2002	Finished Water: Sulfate	No Concern	Lower 5000 acres	5,000			
2002	Finished Water: Sulfate	No Concern	Middle 5000 acres	5,000			
2002	Finished Water: Sulfate	No Concern	Middle 5000 acres below Hwy 155	5,000			

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Public Water Supply Concern (continued)

2002	Finished Water: Sulfate	No Concern	Upper 3700 acres	3,700			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 5000 acres	5,000			
2002	Finished Water: Total Dissolved Solids	No Concern	Middle 5000 acres	5,000			
2002	Finished Water: Total Dissolved Solids	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Finished Water: Total Dissolved Solids	No Concern	Upper 3700 acres	3,700			
2002	Finished Water: MTBE	No Concern	Lower 5000 acres	5,000			
2002	Finished Water: MTBE	No Concern	Middle 5000 acres	5,000			
2002	Finished Water: MTBE	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Finished Water: MTBE	No Concern	Upper 3700 acres	3,700			
2002	Finished Water: Perchlorate	Not Assessed	Lower 5000 acres	5,000			
2002	Finished Water: Perchlorate	Not Assessed	Middle 5000 acres	5,000			
2002	Finished Water: Perchlorate	Not Assessed	Middle 5000 acres below Hwy 155	5,000			
2002	Finished Water: Perchlorate	Not Assessed	Upper 3700 acres	3,700			
2002	Finished Water: Overall	No Concern	Lower 5000 acres	5,000			
2002	Finished Water: Overall	No Concern	Middle 5000 acres	5,000			
2002	Finished Water: Overall	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Finished Water: Overall	No Concern	Upper 3700 acres	3,700			
2002	Surface Water: Chloride	No Concern	Lower 5000 acres	5,000	57		17.8
2002	Surface Water: Chloride	No Concern	Middle 5000 acres	5,000	60		17.8
2002	Surface Water: Chloride	No Concern	Middle 5000 acres below Hwy 155	5,000	57		17.9
2002	Surface Water: Chloride	No Concern	Upper 3700 acres	3,700	57		17.8

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Public Water Supply Concern (continued)

2002	Surface Water: Sulfate	No Concern	Lower 5000 acres	5,000	57		35.7
2002	Surface Water: Sulfate	No Concern	Middle 5000 acres	5,000	60		35.7
2002	Surface Water: Sulfate	No Concern	Middle 5000 acres below Hwy 155	5,000	57		35.7
2002	Surface Water: Sulfate	No Concern	Upper 3700 acres	3,700	57		35.7
2002	Surface Water: Total Dissolved Solids	No Concern	Lower 5000 acres	5,000	133		109.5
2002	Surface Water: Total Dissolved Solids	No Concern	Middle 5000 acres	5,000	12		109.5
2002	Surface Water: Total Dissolved Solids	No Concern	Middle 5000 acres below Hwy 155	5,000	133		109.5
2002	Surface Water: Total Dissolved Solids	No Concern	Upper 3700 acres	3,700	133		109.5
2002	Surface Water: Overall	No Concern	Lower 5000 acres	5,000			
2002	Surface Water: Overall	No Concern	Middle 5000 acres	5,000			
2002	Surface Water: Overall	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Surface Water: Overall	No Concern	Upper 3700 acres	3,700			
2002	Overall Public Water Supply Concerns	No Concern	Lower 5000 acres	5,000			
2002	Overall Public Water Supply Concerns	No Concern	Middle 5000 acres	5,000			
2002	Overall Public Water Supply Concerns	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Overall Public Water Supply Concerns	No Concern	Upper 3700 acres	3,700			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Lower 5000 acres	5,000			
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Narrative Criteria Concern (continued)

2002	Overall Narrative Criteria Concerns	No Concern	Middle 5000 acres	5,000			
2002	Overall Narrative Criteria Concerns	No Concern	Middle 5000 acres below Hwy 155	5,000			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 3700 acres	3,700			

Overall Secondary Concern

2002		No Concern	Lower 5000 acres	5,000			
2002		No Concern	Middle 5000 acres	5,000			
2002		No Concern	Middle 5000 acres below Hwy 155	5,000			
2002		Concern	Upper 3700 acres	3,700			